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001

Attorney Docket No. 039153-0649 (H0982)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xiang et al.

Title: FULLY DEPLETED STRAINED
SEMICONDUCTOR ON
INSULATOR TRANSISTOR AND
METHOD OF MAKING THE
SAME

Appl. No.: 10/773,026

Filing Date: 02/05/2004

Examiner: Doty, Heather Anne

Art Unit: 2813

Confirmation Number: 6093

CERTIFICATE OF EXPRESS MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office To Addressee" service under 39 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.	
(Express Mail Label Number)	(Date of Deposit)
(Printed Name)	
(Signature)	

DECLARATION UNDER 37 C.F.R. 1.131

Commissioner for Patents and Trademarks
Washington, D.C. 20231

Sir:

We, QI XIANG, PAUL R. BESSER, MINH VAN NGO, ERIC N. PATON and

HAIHONG WANG, state and declare that:

1. We are the inventors of the invention recited in claims 11-30 of the patent application identified above. The subject matter of the patent application was invented while we were employed at Advanced Micro Devices, Inc., the Assignee of the patent application.

2. On or before June 28, 2002, we conceived in the United States the subject matter of Claims 11-30 as evidenced by the attached Exhibit A. The invention was recorded during a SMOS patent harvesting session that occurred on June 28, 2002.

3. Exhibit A (6 pages), titled "AMD INVENTION DISCLOSURE," marked "H0982," is a copy of an invention disclosure document used in the routine business practice of Advanced Micro Devices, Inc. for disclosing inventive subject matter to corporate patent counsel.

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Attorney Docket No. 039153-0649 (H0982)

4. Exhibit A, received by AMD's Tech. Law Department on June 28, 2002, discloses the subject matter of Claims 11-30.

5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 9/11/06

By: 
QI XIANG

Date: _____

By: _____
PAUL R. BESSER

Date: _____

By: _____
MINH VAN NGO

Date: _____

By: _____
ERIC N. PATON

Date: _____

By: _____
HATHONG WANG

Friday, June 28, 2002

SMOS Patent Harvesting Session, Group 4;

Technical Leader: Qi Xiang

AMD INVENTION DISCLOSURE

California & Asia: x42110, return to MS68;

Texas: x55964 return to MS562;

Dresden & Europe: x83401 Silke Kretzschmar at MS E21-PP.

TLD ID#

Rec'd date

PRIORITY CODE

A ☐ B ☒
C ☐ D ☐This invention applies to: Project: ☐ Product: ☐ Process: ☐ Technology: ☐ Other: ☐**IMPORTANT** Please identify any potential use: _____

List 2 to 5 key search words related to the invention: _____

Working title of invention: Method of making ED SSOI CMOSInventor's signature: Qi Xiangdate: 6/28/02Inventor's printed full name: QI XIANG

Citizenship: _____

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone: () _____

AMD email address: _____ AMD office FAX: () _____

Division: _____ Directorate: _____ Dept #: _____ Dept: _____ Manager: _____

Residence address: _____

Post Office address: _____

Co-Inventor's signature: Paul Besser

date: _____

Co-Inventor's printed full name: Minh Van Ngo

Citizenship: _____

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone: () _____

AMD email address: _____ AMD office FAX: () _____

Division: _____ Directorate: _____ Dept #: _____ Dept: _____ Manager: _____

Residence address: _____

Post Office address: _____

Co-Inventor's signature: Eric Paton

date: _____

Co-Inventor's printed full name: _____

Citizenship: _____

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone: () _____

AMD email address: _____ AMD office FAX: () _____

Division: _____ Directorate: _____ Dept #: _____ Dept: _____ Manager: _____

Residence address: _____

Post Office address: _____

Co-Inventor's signature: Hai Hong Wang

date: _____

Co-Inventor's printed full name: _____

Citizenship: _____

Employee #: _____ Extension: _____ Mail stop: _____ Home telephone: () _____

AMD email address: _____ AMD office FAX: () _____

Division: _____ Directorate: _____ Dept #: _____ Dept: _____ Manager: _____

Residence address: _____

Post Office address: _____

State total number of inventors here: _____. If there are more than four inventors, insert duplicate page 1.

HARVESTING LAW FIRM/ATTORNEYS: FOLEY & LARDNER

Joe Ziebert, Ron Coslick

Witness 1 initial: _____

Witness 2 initial: _____

IDP Section 4

Revised on 10/29/01

AMD CONFIDENTIAL

Attorney-Client Privileged Information

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EXHIBIT A

BEST AVAILABLE COPY

Patent Harvesting Breakout Session, Group 4: SMOS
Friday, June 28, 2002
Technical Leader: Qi Xiang

Participant Addresses
(Please verify all information and fill in any blank areas)

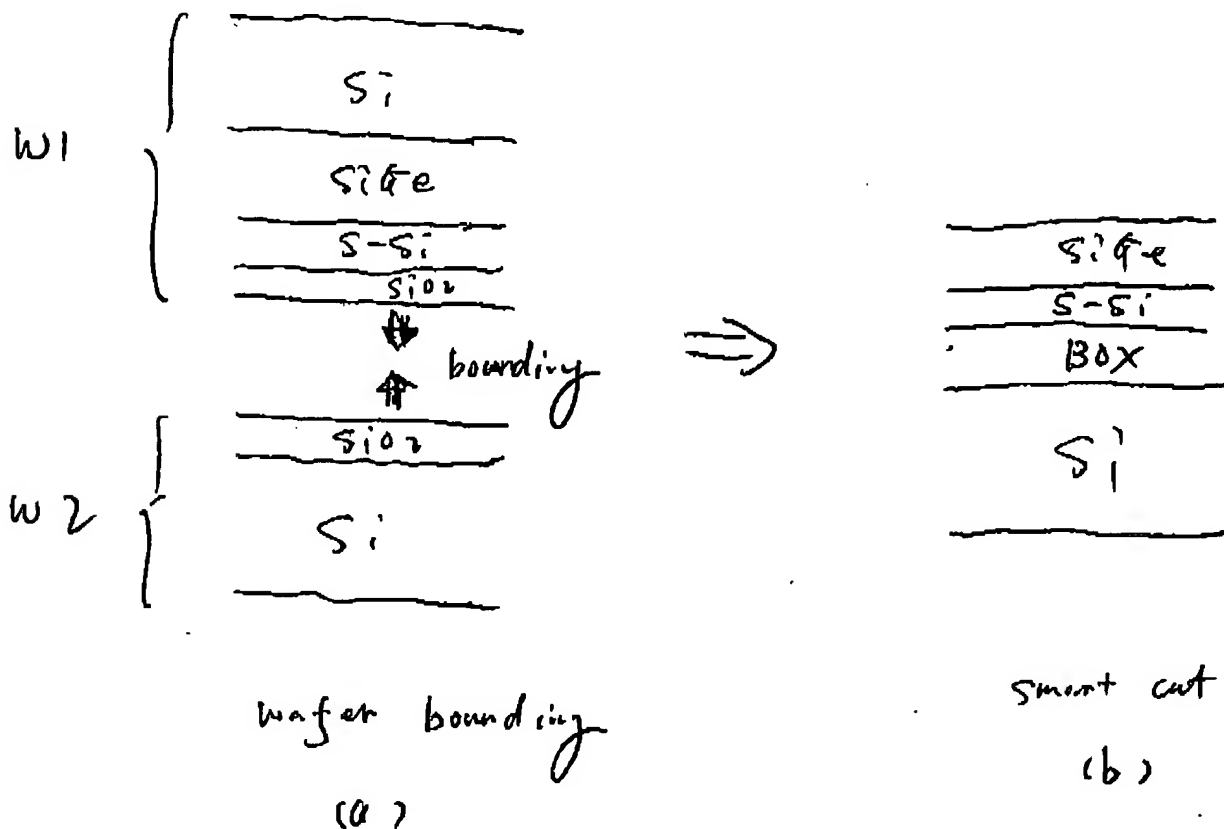
FULL NAME & EMAIL	CITIZENS HIP	EMPL#	DEPT#	M/S	WORK#	FAX#	ADDRESS	CITY	STATE	ZIP CODE
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Besser, Paul R PAUL.BESSER@AMD.COM	USA	023186	07198	36	408/749- 2350	408/774- 8818	1087 Yorktown Dr	Sunnyvale	CA	94087
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Ngo, Minh V MINH.VAN.NGO@AMD.COM	USA	078264	07009	148	408/749- 3396	408/749- 5318	40986 Canyon Heights Dr	Fremont	CA	94539
Paton, Eric N ERIC.PATON@AMD.COM	USA	024643	07195	49	408/749- 2944	408/774- 8923	498 Rio Grande Ct	Morgan Hill	CA	95037
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Xiang, Qi QI.XIANG@AMD.COM	China	024395	07360	143	408/749- 4771	408/749- 5585	1119 Thames Dr	San Jose	CA	95129

IDF Page 1A

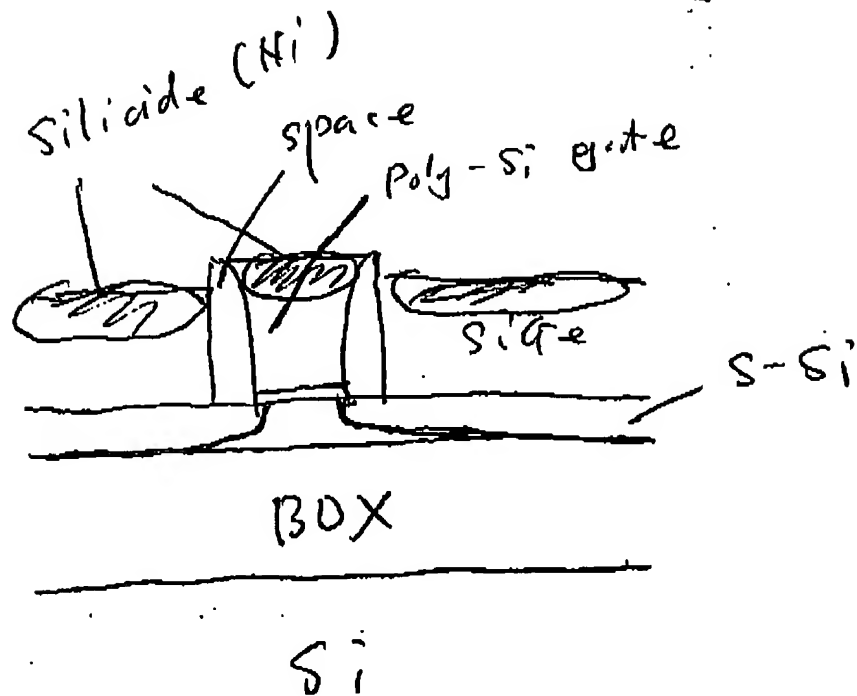
problem: difficult to make FD SSOI.

Invention:

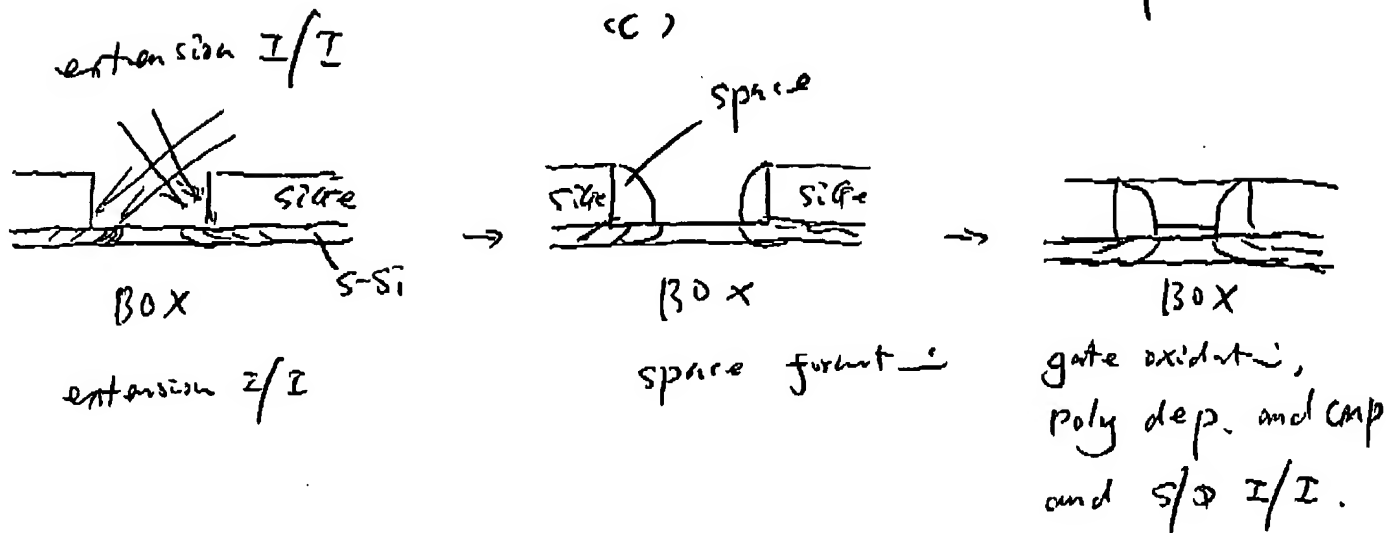
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final structure



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Friday, June 28, 2002

SMOS Patent Harvesting Session, Group 4:

Technical Leader: Qi Xiang

AMD INVENTION DISCLOSURE

TLD ID#

Rec'd date

California & Asia: x42110, return to MS68;

Texas: x55964 return to MS562;

Dresden & Europe: x83401 Silke Kretzschmar at MS E21-PP.

PRIORITY CODE

A B
C D

Identify known relevant art (patents, publications, other information):

State the problem solved by the invention:

Brief description and sketch of the invention (please attach copies of documents like AMD patent notebook pages, reports and drawings that are helpful in describing / understanding the invention):

Patent notebook # Page numbers Number of drawings

HARVESTING LAW FIRM/ATTORNEYS: FOLEY & LARDNER

Joe Ziebert, Ron Coslick

Witness 1 initial: Witness 2 initial:

ICP Session 4 Revised on 10/29/01.

AMD CONFIDENTIAL Attorney-Client Privileged Information

Page 2

Friday, June 28, 2002

SMOS Patent Harvesting Session, Group 4:

Technical Leader: Qi Xiang

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Dresden & Europe: x83401 Silke Kreitzschmar at MS E21-PP.

PRIORITY CODE

A B

C D

Advantages (check all that apply):

<input type="checkbox"/> simplifies manufacturing	<input type="checkbox"/> improves accuracy / precision	<input type="checkbox"/> reduces component parts
<input type="checkbox"/> reduces cost of manufacturing	<input type="checkbox"/> improves reliability	<input type="checkbox"/> improves signal to noise ratio
<input type="checkbox"/> improves density	<input type="checkbox"/> improves efficiency	<input type="checkbox"/> provides new functionality
<input type="checkbox"/> increases operating speed	<input type="checkbox"/> increases operating range	<input type="checkbox"/> other, explain below

Discussion of advantage(s) of the invention over other solutions

(emphasize technical advance in the art as measured against known art):

Please take special care to preserve documentary evidence of the original date of conception of the invention. AMD Inventors' notebooks with witness signatures are useful in this regard. Notebooks are issued on request to inventors by the local AMD site Technical Librarian.

Please attach copy of first written description(s) of invention, with dates, names of persons with whom the description was discussed.

Please attach copy of first drawing(s) of invention, with date(s).

Describe any external disclosure of invention, place, date, circumstances of disclosure, with copy of NDA.

Does plan exist to publish, disclose or sell? No ☐, Yes ☐, If yes, where and when?

Was invention jointly developed with participation of inventors from outside AMD: No ☐, Yes ☐.

If yes, Company name

If yes, name of AMD business contact and development contract no.

I have read and understood this disclosure and read and signed each page of the attachments:

Witness 1

signature: Date:

Printed name: Employee #:

Witness 2

signature: Date:

Printed name: Employee #:

Name(s) of attorney(s) preferred by inventor(s) to prepare patent application, if known: